

Fig. 1

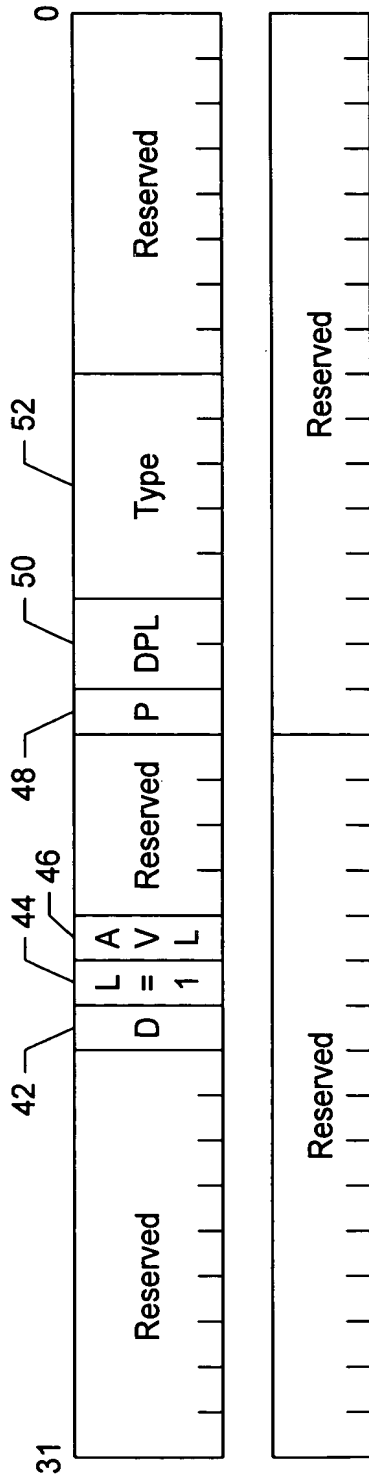


Fig. 2

40

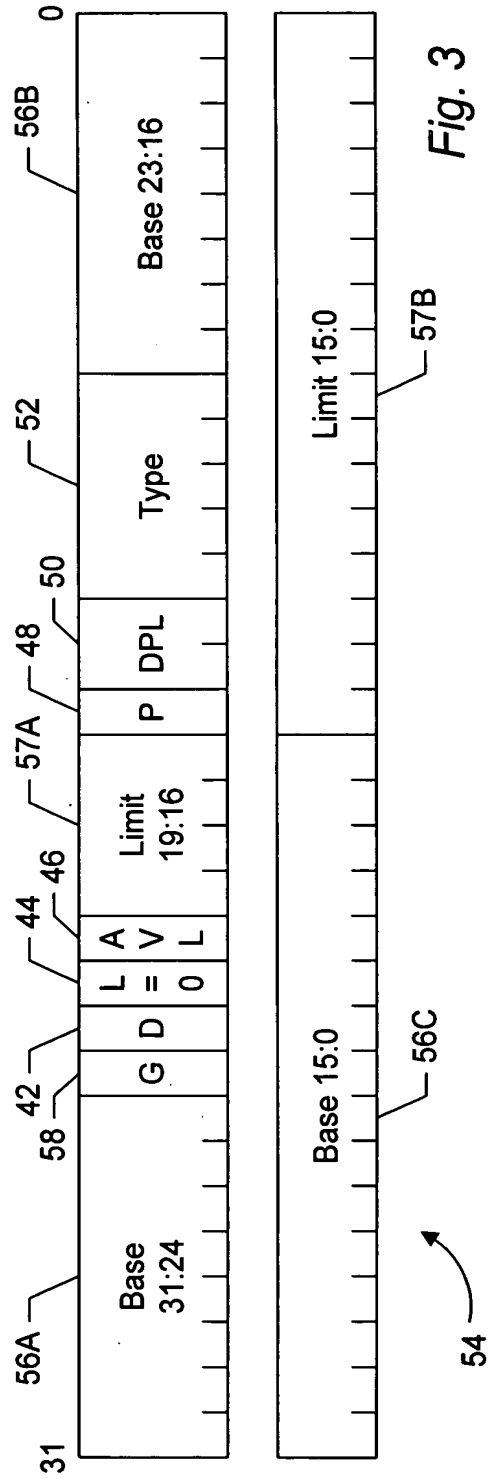


Fig. 3

54

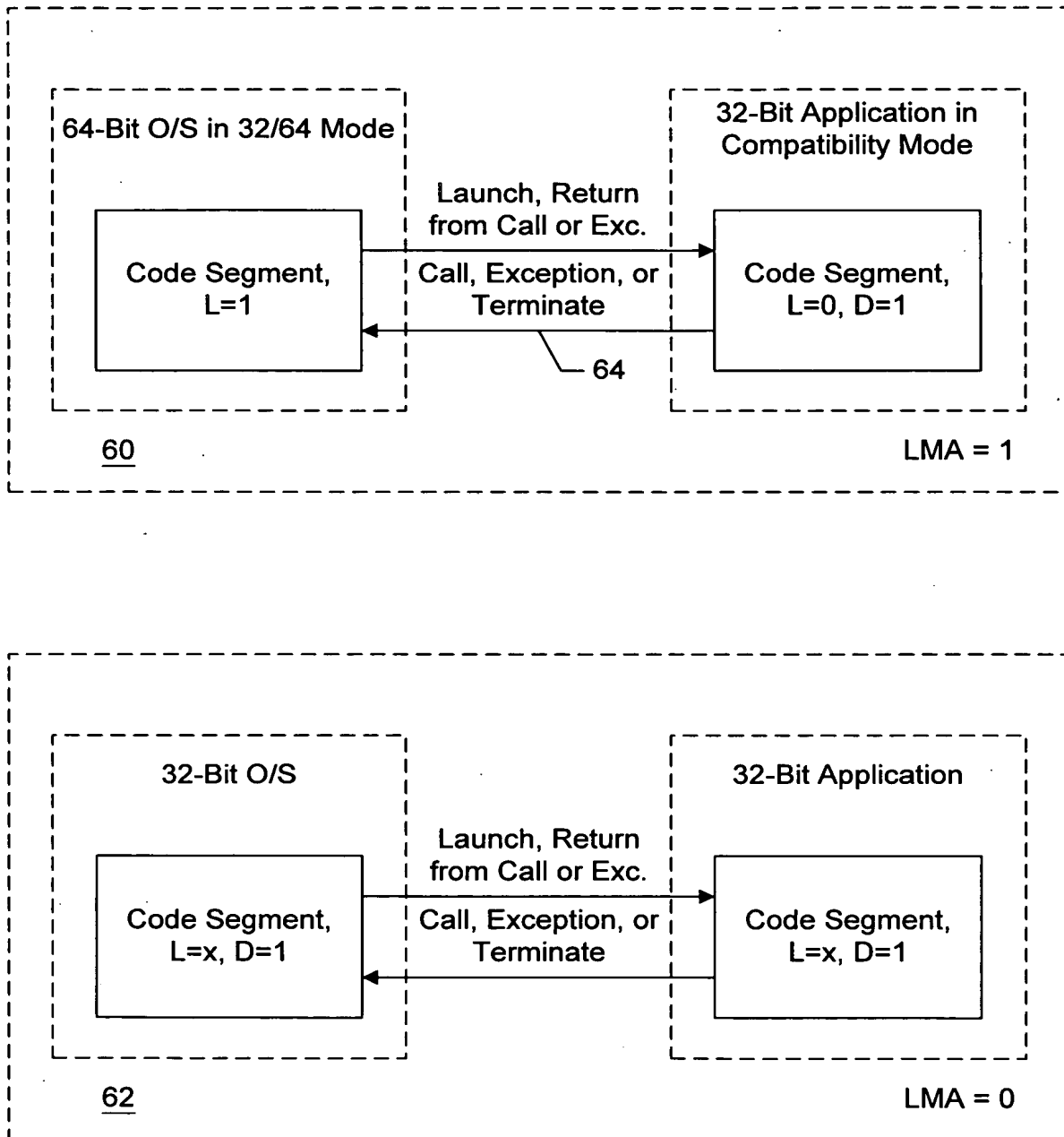


Fig. 4

<u>LMA</u>	<u>CS L Bit</u>	<u>CS D Bit</u>	<u>Operating Mode</u>
0	x	0	16 Bit Mode
0	x	1	32 Bit Mode
1	0	0	16 Bit Compatibility Mode
1	0	1	32 Bit Compatibility Mode
1	1	0	32/64 Mode
1	1	1	Reserved

70 ↗

Fig. 5

<u>Override Prefix</u>		<u>None</u>	<u>REX</u>	<u>(66H , 67H)</u>
<b>32/64 Mode</b>	<b>Operand Size</b>	32 bits	64 bits	16 bits
	<b>Address Size</b>	64 bits	DNA	32 bits
<b>32 Bit Mode Incl. Compatibility Mode</b>	<b>Operand Size</b>	32 bits	DNA	16 bits
	<b>Address Size</b>	32 bits	DNA	16 bits
<b>16 Bit Mode Incl. Compatibility Mode</b>	<b>Operand Size</b>	16 bits	DNA	32 bits
	<b>Address Size</b>	16 bits	DNA	32 bits

72 ↗

Fig. 6

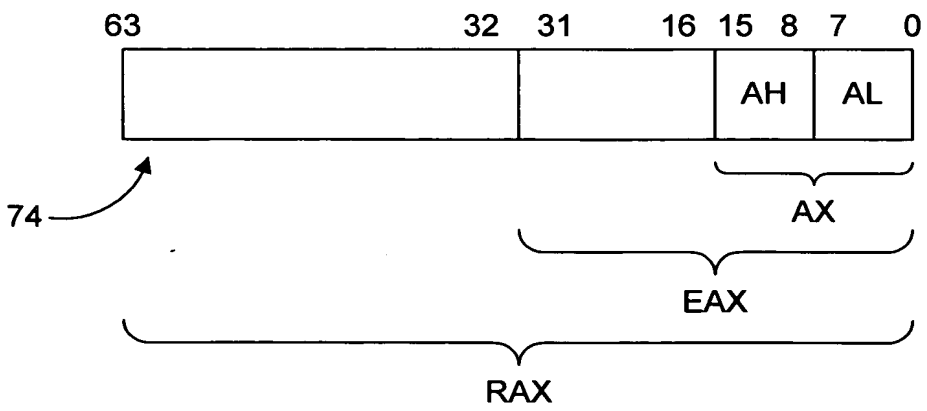


Fig. 7

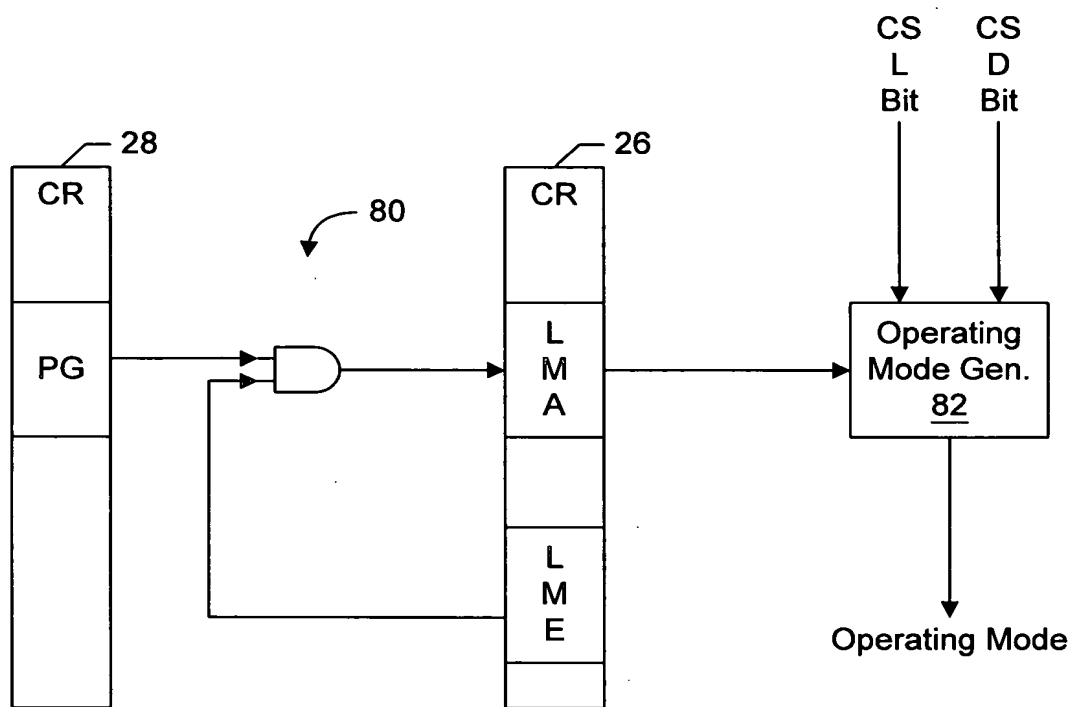
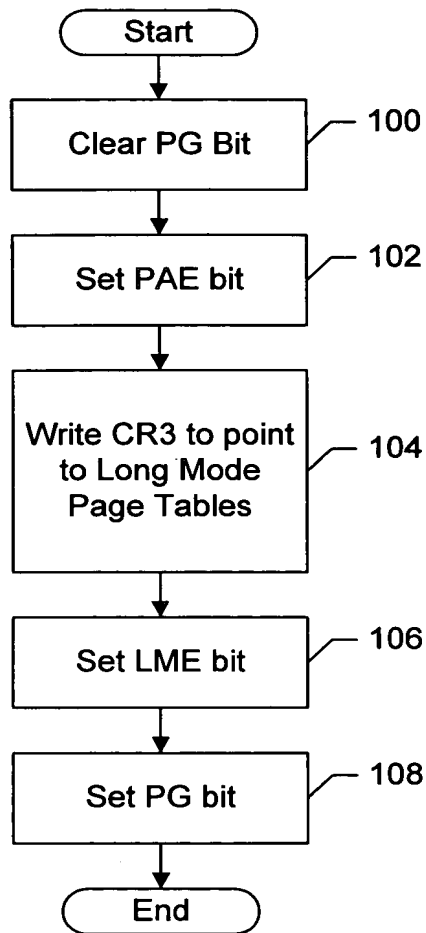
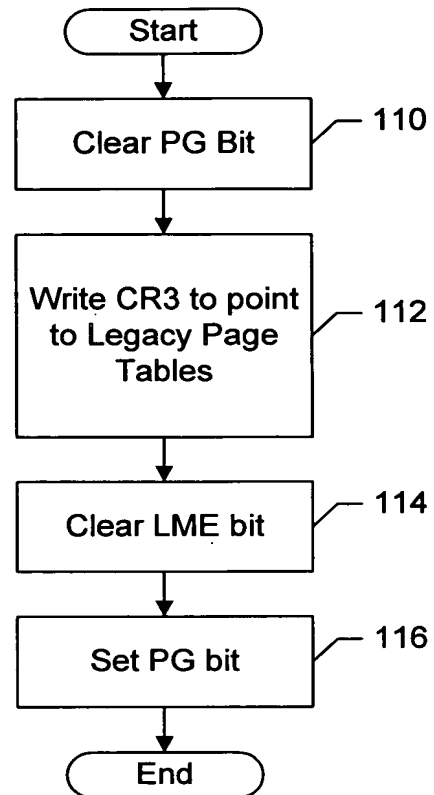


Fig. 8

<u>Change</u>	<u>Check</u>
LME 0 $\rightarrow$ 1	If PG=1 then exception
LME 1 $\rightarrow$ 0	If PG=1 then exception
PG 0 $\rightarrow$ 1	If LME=1 and PAE=0 then exception
PAE 1 $\rightarrow$ 0	If LMA=1 then exception

90

*Fig. 9*

*Fig. 10**Fig. 11*

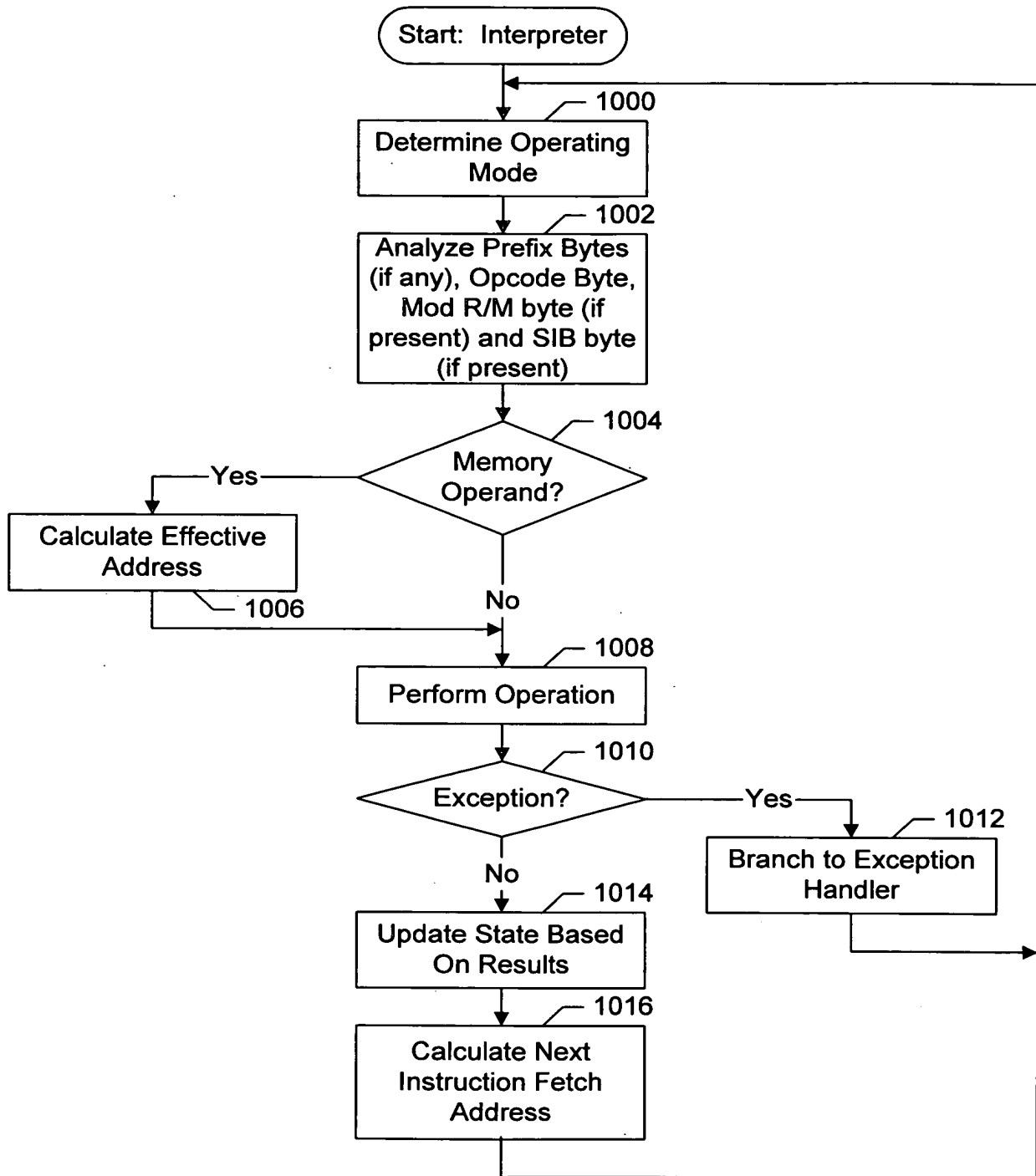
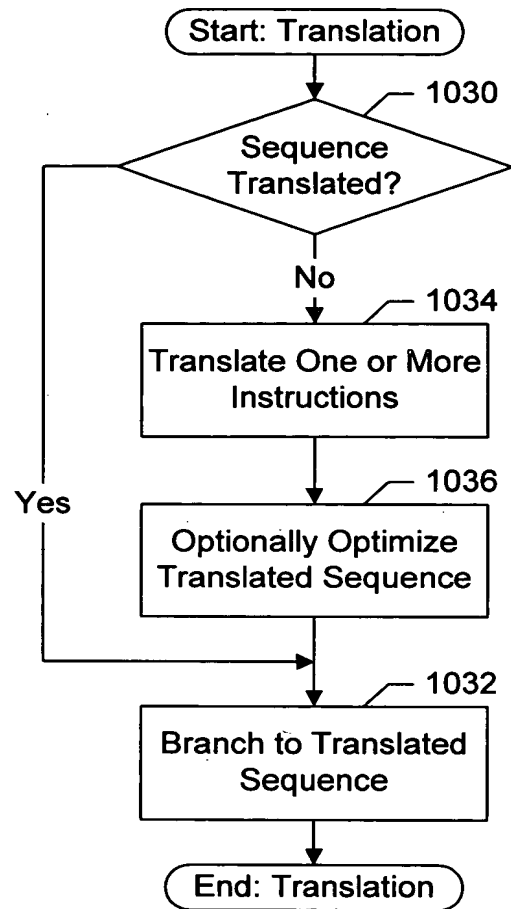


Fig. 12



*Fig. 13*

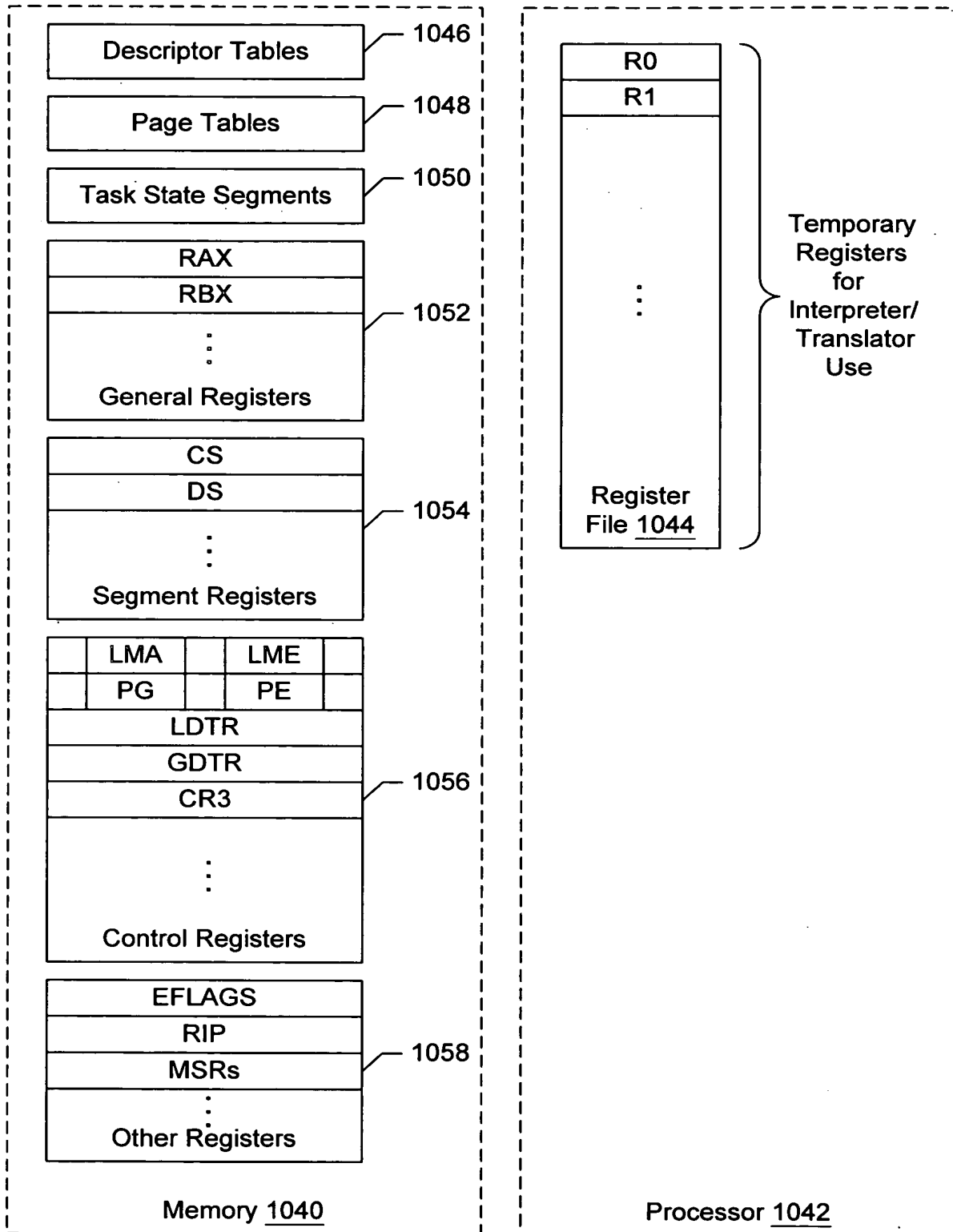


Fig. 14

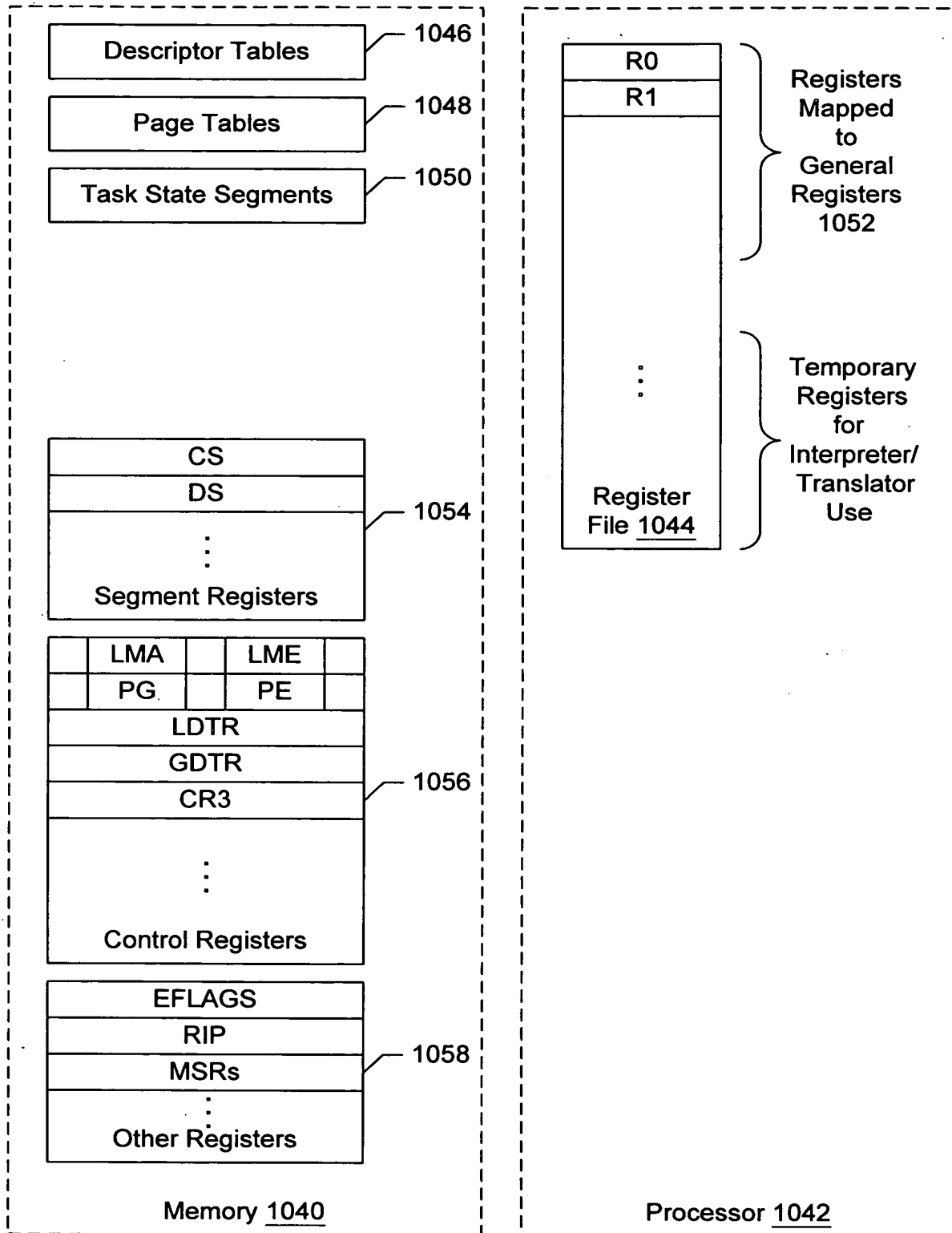


Fig. 15

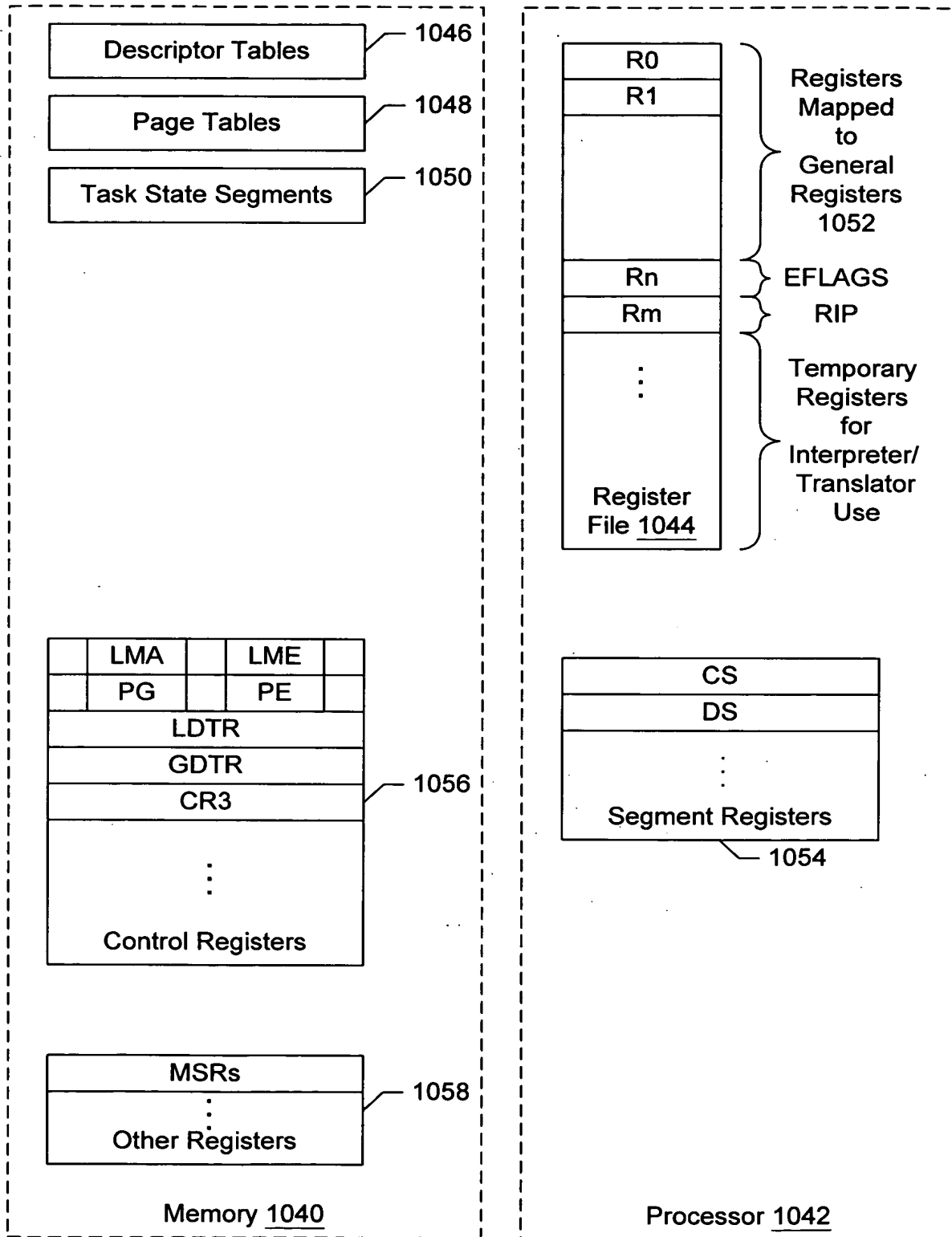


Fig. 16

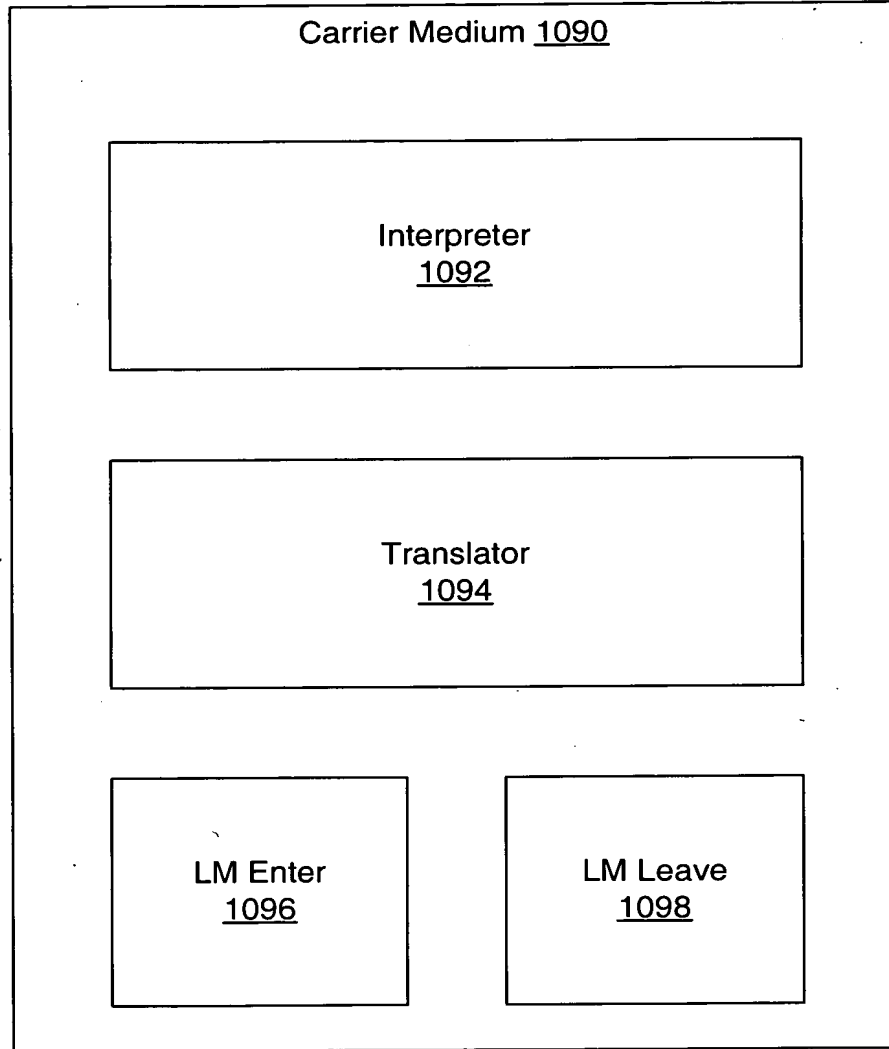


Fig. 17

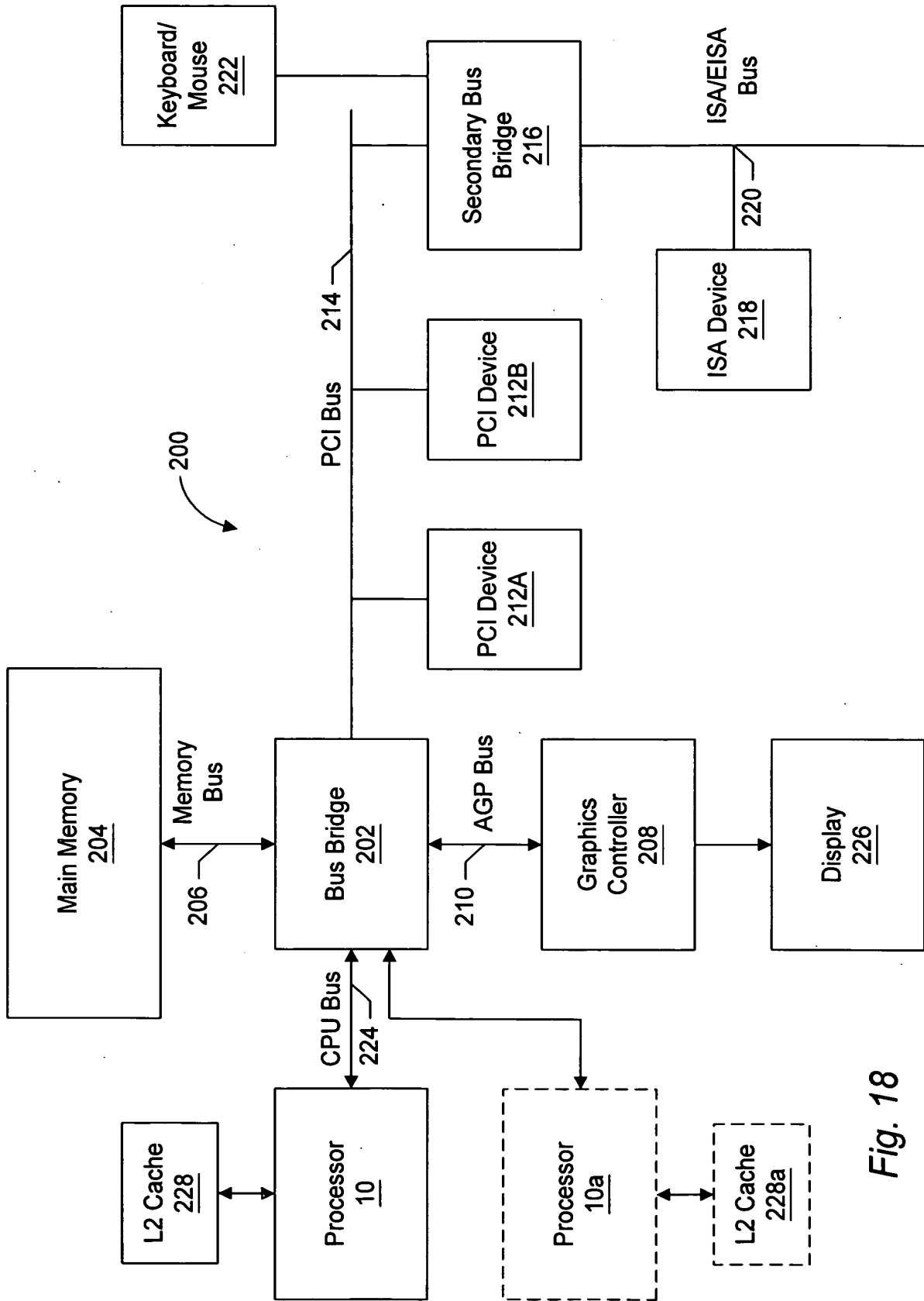


Fig. 18

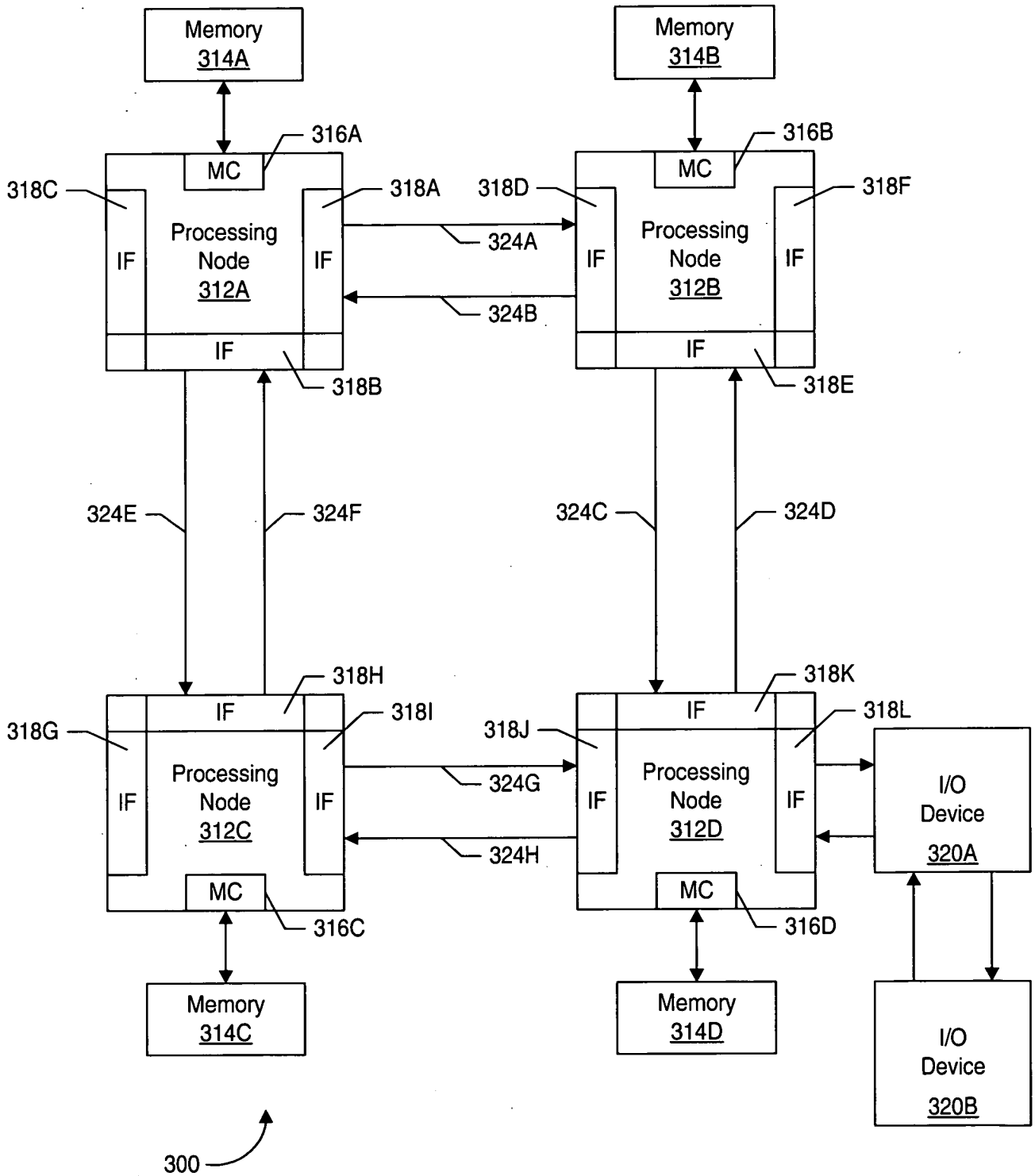


Fig. 19